



**MODEL RESULTS SUMMARY:** The shape of both the end of operations waste plume and the 10,000-year waste plume are affected by the fault-bounded edge to the southeast and the stratigraphic thinning to the east and northeast. The end of operation waste plume is oval in shape. The end of operations waste plume is approximately 15,200 feet long along the north-south axis and approximately 13,800 feet wide along the east-west axis. The end of operations waste plume center of mass is shifted about 1,700 feet west northwest of the WDW-397 well location. The 10,000-year waste plume extends 48,200 feet up-gradient toward Clinton Dome and 14,000 feet to the northeast toward the area where the Frio D Sand pinches out (measured from the WDW-397 well location). The 10,000 year waste plume extends about 21,000 feet to the southwest and 7,625 feet southeast of WDW-397. The 10,000-year waste plume has a width of about 27,000 feet across the Clinton Dome.

# LEGEND

- Location
- Location Abandoned
- Rig Up
- Drilling
- Dry & Abandoned
- Oil Well
- Oil Well Abandoned
- ✱ Gas Well
- ✱ Gas Well Abandoned
- ✱ Well Abandoned-Show of Oil & Gas
- ✱ Well Abandoned-Show of Oil
- ✱ Well Abandoned in Salt
- ✱ Well Abandoned in Cap Rock
- Core Test Well
- ✱ Wet Gas Or Condensate Well
- ✱ Wet Gas or Condensate Well Abnd
- ✱ Producing Oil & Gas
- Injection Well

Grant Or Section Line  
County Line  
State Line  
Line Visible On Aerial Photo

Agrifos Fertilizer and  
Gyp-Stack Locations

-4650 Post Numbers  
F/O Horizon Faulted Out

Base Map - Structure Map on Top of Frio D Sand  
Modeled Waste Plume Density = 61.64 lb/ft<sup>3</sup>  
Injection Interval Formation Fluid Background Flow Velocity = 0.0 ft/yr

--- End of Operations (12/31/2020) Waste Plume Boundary  
--- 10,000-Year Waste Plume Boundary

## PLATE 7-11

**TERRA**  
DYNAMICS INC

**MAXIMUM EXTENT OF MODELED  
PLUME AT END OF OPERATIONS  
AND 10,000 YEARS (ExMob\_D\_C)  
(Frio D Sand Structure Map)**

PREPARED FOR  
**EXXON MOBIL CORPORATION**  
PASADENA, TEXAS

DRAWN BY: tdm	SCALE: As Indicated	DATE: Revised: 03-08-2011
DESIGNED BY: SAME		JOB NO: 11-101
CHECKED BY: T. Moody		